

WHAT IS CLAIMED IS:

1. An integrally formed gear set with a plurality of gears comprising a first gear, a second gear and a third gear; each of the first gear, second gear and third gear being formed with a plurality of teeth and a plurality of recess portions; a diameter of the second gear being smaller than that of the first gear and the diameter of the third gear being smaller than that of the second gear; the teeth and recess portions being alternatively arranged; each gear surface of the second gear and third gear being vertically extended with protruding rings; the protruding ring being formed by a plurality of connecting sheets and a plurality of concave portions; each connecting sheet being vertically extended from a respective recess portion; the concave portion being between two adjacent recess portions; the third gear having an assembling hole at a center thereof for assembling with a rod;

wherein the first, second and third gears are formed by a sheet, initially, the sheet is plane and then is formed as a stepped structure containing three layers which are then formed the first gear, second gear and third gears; the rings between two gears are stripped with a plurality of teeth which are bent to be at the same plane of the second and third gears; the portions of the rings un-stripped are remained as the concave portions.

2. The integrally formed gear set with a plurality of gears as claimed in claim 1, wherein other gear is further protruded from the gear set so that the number of gear is more than three.